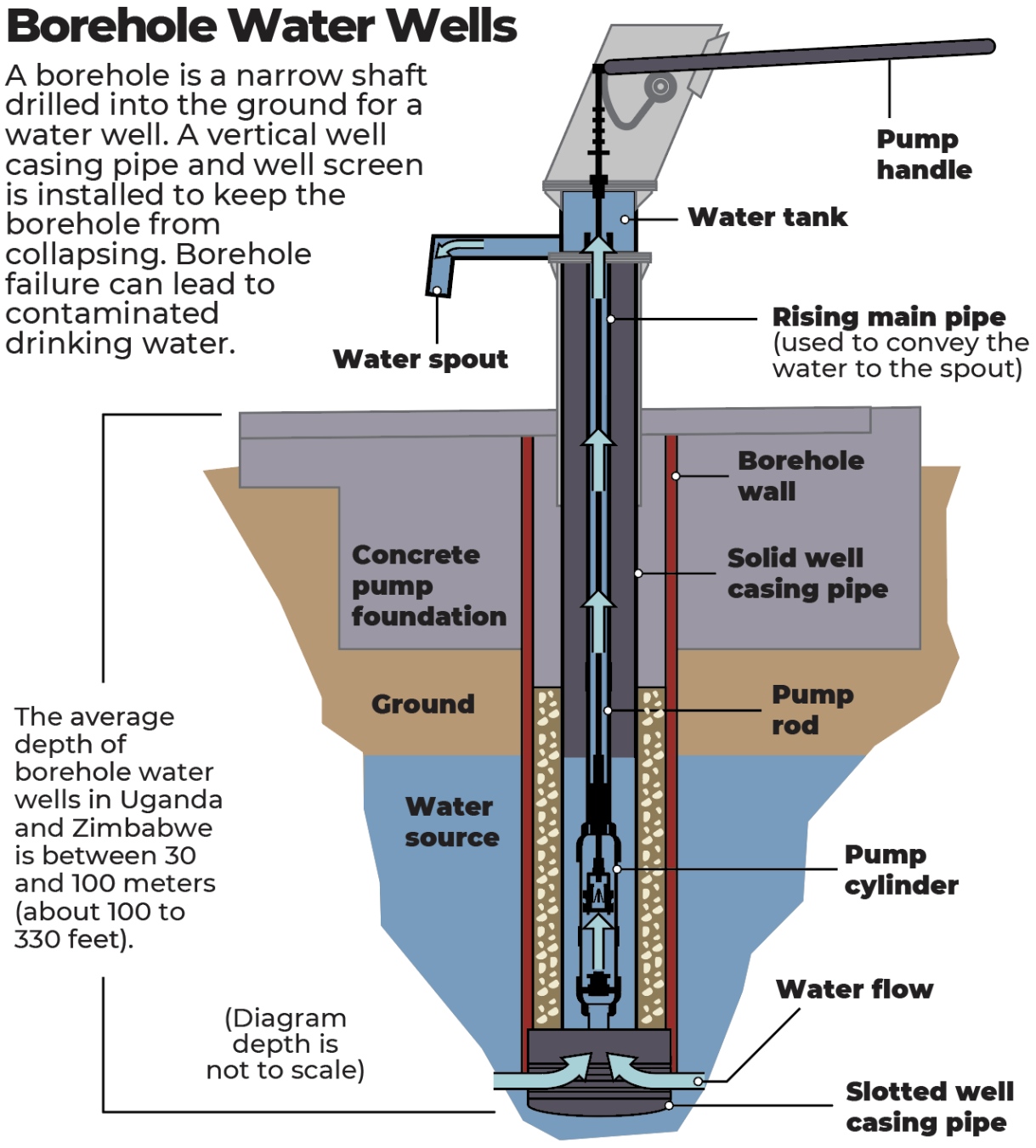
Borehole Water Wells
A borehole is a narrow shaft drilled into the ground for a water well. A vertical well casing pipe and well screen is installed to keep the borehole from collapsing. Borehole failure can lead to contaminated drinking water.
Pump handle
Water tank
Rising main pipe (used to convey the water to the spout)
Water spout
Borehole wall
Concrete pump foundation
Solid well casing pipe
Ground
Pump rod
Water source
Pump cylinder
Water flow
Slotted well casing pipe
The average depth of borehole water wells in Uganda and Zimbabwe is between 30 and 100 meters (about 100 to 330 feet).
(Diagram depth is not to scale)

Sources: Water, Engineering and Development Centre Publications; Ryan's Well Foundation; Weis Engineering Ltd

Borehole Water Wells

A borehole is a narrow shaft drilled into the ground for a water well. (CQ link) A vertical well casing pipe and well screen is installed to keep the borehole from

collapsing. (CQ link) Borehole failure can lead to contaminated drinking water. (CQ link)

The average depth of borehole water wells in Uganda (CQ) and Zimbabwe (CQ) is between 30 and 100 meters (about 100 to 330 feet). (CQ conversion) (CQ link) (CQ link) (CQ link)

(Diagram depth is not to scale)

Water tank (CQ link)

Water spout (CQ link)

Pump handle (CQ link)

Rising main pipe (used to convey the water to the spout) (CQ link)

Borehole wall (CQ

Solid well casing pipe (CQ link)

Concrete pump foundation (CQ link(

Ground

Pump rod (CQ link)

Water source (CQ link)

Pump cylinder (CQ link) (CQ link)

Slotted well casing pipe (CQ link)

Water flow

~~Sources: WEDC Publications; Living Water International; ryanswell.ca; weisengineering.com~~

Sources: Water, Engineering and Development Centre Publications; Ryan's Well Foundation;

Weis Engineering Ltd